

ON APRIL 24.

1013 943 KJAA11Y111F:11K i (15)

[illegible]
$$\begin{aligned} \text{Euler's formula: } e^{i\theta} &= \cos(\theta) + i\sin(\theta); & \text{Polar form: } z = r(\cos(\theta) + i\sin(\theta)) \\ \text{De Moivre's theorem: } (r(\cos(\theta) + i\sin(\theta)))^n &= r^n(\cos(n\theta) + i\sin(n\theta)) \end{aligned}$$

	Score 45, 62	1st Length 1, 05	Score 45, 62	1st Length 1, 05
Host Level Similarity	52, 88	10, 10	52, 88	10, 10
Matchings	10, 10	10, 10	10, 10	10, 10
U?	4	ETFEFAAH-YNETHIK 18	4	ETFEFAAH-YNETHIK 18
D?	745	ETFEFAAH-YNETHIK 761	745	ETFEFAAH-YNETHIK 761

[illegible][illegible]

the Swiss Patent is copyrightable. It is produced through a collaboration between the Swiss Institute of Biotechnology and the ETH and is not owned by the European Biotechnology Institute. There are no restrictions on its use by non-profit institutions as long as its content is not used for commercial purposes and this statement is not removed. Despite by not being commercialized, it still requires a license agreement (see in Fig. 2a) and is not available for

DLR EMBL GenBank KJAL000041.1 -
 DLR HSSST F54421.1 LSPD
 KM L10000 Mol. Cell. Biochem. -
 S01 Sequence 188 AA 21687 BP A506400040.21 PRA cpv004

01 gene by non-profit institution as found in its sequence. It is not
 02 modified and this statement is not removed, usurped, used, and for commercial
 03 purposes requires a license agreement (See http://www.ncbi.nlm.nih.gov/seq/seq.html
 04 or send an email to license@ncbi.nlm.nih.gov).
 05
 06 EMBL: D18997; AAU70041.1;
 07 EMBL: AB00060; AAU70115.1;
 08 EMBL: AB02722; J9418.
 09 Hypothetical protein; formally complete proteome.
 10 STANAL 1 22 POTENTIAL.
 11 STANAL 23 784 HYPOHETAL PROTEIN YK1.
 12 SEQUENCE: 783 AA: 88521 MW: 96033/96032/96032
 13
 14 Query Match 44.00% Score 472.00 E: 1e-09
 15 Best Local Similarity 58.00% Prod. No. 522
 16 Matches 72 Conserved 22 Mismatch 49 Indels 09 Gaps 09
 17
 18 7. EAAHNEHEK 16
 19 1111111111
 20 653 EAAHNEHEK 044
 21
 22 EMBL: 11
 23 EMBL: 11
 24 EMBL: 11
 25 EMBL: 11
 26 EMBL: 11
 27 EMBL: 11
 28 EMBL: 11
 29 EMBL: 11
 30 EMBL: 11
 31 EMBL: 11
 32 EMBL: 11
 33 EMBL: 11
 34 EMBL: 11
 35 EMBL: 11
 36 EMBL: 11
 37 EMBL: 11
 38 EMBL: 11
 39 EMBL: 11
 40 EMBL: 11
 41 EMBL: 11
 42 EMBL: 11
 43 EMBL: 11
 44 EMBL: 11
 45 EMBL: 11
 46 EMBL: 11
 47 EMBL: 11
 48 EMBL: 11
 49 EMBL: 11
 50 EMBL: 11
 51 EMBL: 11
 52 EMBL: 11
 53 EMBL: 11
 54 EMBL: 11
 55 EMBL: 11
 56 EMBL: 11
 57 EMBL: 11
 58 EMBL: 11
 59 EMBL: 11
 60 EMBL: 11
 61 EMBL: 11
 62 EMBL: 11
 63 EMBL: 11
 64 EMBL: 11
 65 EMBL: 11
 66 EMBL: 11
 67 EMBL: 11
 68 EMBL: 11
 69 EMBL: 11
 70 EMBL: 11
 71 EMBL: 11
 72 EMBL: 11
 73 EMBL: 11
 74 EMBL: 11
 75 EMBL: 11
 76 EMBL: 11
 77 EMBL: 11
 78 EMBL: 11
 79 EMBL: 11
 80 EMBL: 11
 81 EMBL: 11
 82 EMBL: 11
 83 EMBL: 11
 84 EMBL: 11
 85 EMBL: 11
 86 EMBL: 11
 87 EMBL: 11
 88 EMBL: 11
 89 EMBL: 11
 90 EMBL: 11
 91 EMBL: 11
 92 EMBL: 11
 93 EMBL: 11
 94 EMBL: 11
 95 EMBL: 11
 96 EMBL: 11
 97 EMBL: 11
 98 EMBL: 11
 99 EMBL: 11
 100 EMBL: 11

01 Best Local Similarity 45.00% Prod. No. 412
 02 Matches 52 Conserved 42 Mismatch 49 Indels 52 Gaps 12
 03
 04 2. EELKE AAHNEHEK 16
 05 1111111111
 06 619 EELKEAAHNEHEK 608
 07
 08 EMBL: 12
 09 EMBL: 12
 10 EMBL: 12
 11 EMBL: 12
 12 EMBL: 12
 13 EMBL: 12
 14 EMBL: 12
 15 EMBL: 12
 16 EMBL: 12
 17 EMBL: 12
 18 EMBL: 12
 19 EMBL: 12
 20 EMBL: 12
 21 EMBL: 12
 22 EMBL: 12
 23 EMBL: 12
 24 EMBL: 12
 25 EMBL: 12
 26 EMBL: 12
 27 EMBL: 12
 28 EMBL: 12
 29 EMBL: 12
 30 EMBL: 12
 31 EMBL: 12
 32 EMBL: 12
 33 EMBL: 12
 34 EMBL: 12
 35 EMBL: 12
 36 EMBL: 12
 37 EMBL: 12
 38 EMBL: 12
 39 EMBL: 12
 40 EMBL: 12
 41 EMBL: 12
 42 EMBL: 12
 43 EMBL: 12
 44 EMBL: 12
 45 EMBL: 12
 46 EMBL: 12
 47 EMBL: 12
 48 EMBL: 12
 49 EMBL: 12
 50 EMBL: 12
 51 EMBL: 12
 52 EMBL: 12
 53 EMBL: 12
 54 EMBL: 12
 55 EMBL: 12
 56 EMBL: 12
 57 EMBL: 12
 58 EMBL: 12
 59 EMBL: 12
 60 EMBL: 12
 61 EMBL: 12
 62 EMBL: 12
 63 EMBL: 12
 64 EMBL: 12
 65 EMBL: 12
 66 EMBL: 12
 67 EMBL: 12
 68 EMBL: 12
 69 EMBL: 12
 70 EMBL: 12
 71 EMBL: 12
 72 EMBL: 12
 73 EMBL: 12
 74 EMBL: 12
 75 EMBL: 12
 76 EMBL: 12
 77 EMBL: 12
 78 EMBL: 12
 79 EMBL: 12
 80 EMBL: 12
 81 EMBL: 12
 82 EMBL: 12
 83 EMBL: 12
 84 EMBL: 12
 85 EMBL: 12
 86 EMBL: 12
 87 EMBL: 12
 88 EMBL: 12
 89 EMBL: 12
 90 EMBL: 12
 91 EMBL: 12
 92 EMBL: 12
 93 EMBL: 12
 94 EMBL: 12
 95 EMBL: 12
 96 EMBL: 12
 97 EMBL: 12
 98 EMBL: 12
 99 EMBL: 12
 100 EMBL: 12

SEQUENCE 100% AA: 12500 MW: 16058114AFKFAA42 (1974)

Query Match 44.8% Score 66.1; 1b 1; Length 107
 Best Local Similarity 52.98% (Prod. No. 91)
 Matches 77 Conservative 42 Mismatches 1; Indels 0; Gaps 11

2 EETKEFAA HYTE 15
 111111 1111
 592 KETKEFAAALRHILLE 509

RESID 13
 Y 603 F60
 10 Y 603 R600 STANDARD: FR1: 15% AA

40 MAY 2001 (Ref. 49, Updated)
 41 40 MAY 2001 (Ref. 49, Last sequence update)
 42 20 AUG 2001 (Ref. 40, Last annotation update)
 43 HYPOHETICAL PROTEIN 100060.

28 100060
 29 100060
 30 100060
 31 100060
 32 100060
 33 100060
 34 100060
 35 100060
 36 100060
 37 100060
 38 100060
 39 100060
 40 100060
 41 100060
 42 100060
 43 100060
 44 100060
 45 100060
 46 100060
 47 100060
 48 100060
 49 100060
 50 100060
 51 100060
 52 100060
 53 100060
 54 100060
 55 100060
 56 100060
 57 100060
 58 100060
 59 100060
 60 100060
 61 100060
 62 100060
 63 100060
 64 100060
 65 100060
 66 100060
 67 100060
 68 100060
 69 100060
 70 100060
 71 100060
 72 100060
 73 100060
 74 100060
 75 100060
 76 100060
 77 100060
 78 100060
 79 100060
 80 100060
 81 100060
 82 100060
 83 100060
 84 100060
 85 100060
 86 100060
 87 100060
 88 100060
 89 100060
 90 100060
 91 100060
 92 100060
 93 100060
 94 100060
 95 100060
 96 100060
 97 100060
 98 100060
 99 100060
 100 100060

Query Match 43.7% Score 66; 1b 1; Length 107
 Best Local Similarity 47.1% (Prod. No. 82)
 Matches 87 Conservative 42 Mismatches 77 Indels 0; Gaps 0

2 EETKEFAA HYTE 18
 111111 1111
 128 EETKEFAAALRHILLE 144

RESID 15
 DNAA_STYX
 1D DNAA_STYX STANDARD: FR1: 44.7 AA

01 01 OCT 1996 (Ref. 34, Updated)
 02 01 NOV 1997 (Ref. 35, Last sequence update)
 03 20 AUG 2001 (Ref. 40, Last annotation update)
 04 20 AUG 2001 (Ref. 40, Last annotation update)
 05 20 AUG 2001 (Ref. 40, Last annotation update)
 06 20 AUG 2001 (Ref. 40, Last annotation update)
 07 20 AUG 2001 (Ref. 40, Last annotation update)
 08 20 AUG 2001 (Ref. 40, Last annotation update)
 09 20 AUG 2001 (Ref. 40, Last annotation update)
 10 20 AUG 2001 (Ref. 40, Last annotation update)
 11 20 AUG 2001 (Ref. 40, Last annotation update)
 12 20 AUG 2001 (Ref. 40, Last annotation update)
 13 20 AUG 2001 (Ref. 40, Last annotation update)
 14 20 AUG 2001 (Ref. 40, Last annotation update)
 15 20 AUG 2001 (Ref. 40, Last annotation update)
 16 20 AUG 2001 (Ref. 40, Last annotation update)
 17 20 AUG 2001 (Ref. 40, Last annotation update)
 18 20 AUG 2001 (Ref. 40, Last annotation update)
 19 20 AUG 2001 (Ref. 40, Last annotation update)
 20 20 AUG 2001 (Ref. 40, Last annotation update)
 21 20 AUG 2001 (Ref. 40, Last annotation update)
 22 20 AUG 2001 (Ref. 40, Last annotation update)
 23 20 AUG 2001 (Ref. 40, Last annotation update)
 24 20 AUG 2001 (Ref. 40, Last annotation update)
 25 20 AUG 2001 (Ref. 40, Last annotation update)
 26 20 AUG 2001 (Ref. 40, Last annotation update)
 27 20 AUG 2001 (Ref. 40, Last annotation update)
 28 20 AUG 2001 (Ref. 40, Last annotation update)
 29 20 AUG 2001 (Ref. 40, Last annotation update)
 30 20 AUG 2001 (Ref. 40, Last annotation update)
 31 20 AUG 2001 (Ref. 40, Last annotation update)
 32 20 AUG 2001 (Ref. 40, Last annotation update)
 33 20 AUG 2001 (Ref. 40, Last annotation update)
 34 20 AUG 2001 (Ref. 40, Last annotation update)
 35 20 AUG 2001 (Ref. 40, Last annotation update)
 36 20 AUG 2001 (Ref. 40, Last annotation update)
 37 20 AUG 2001 (Ref. 40, Last annotation update)
 38 20 AUG 2001 (Ref. 40, Last annotation update)
 39 20 AUG 2001 (Ref. 40, Last annotation update)
 40 20 AUG 2001 (Ref. 40, Last annotation update)
 41 20 AUG 2001 (Ref. 40, Last annotation update)
 42 20 AUG 2001 (Ref. 40, Last annotation update)
 43 20 AUG 2001 (Ref. 40, Last annotation update)
 44 20 AUG 2001 (Ref. 40, Last annotation update)
 45 20 AUG 2001 (Ref. 40, Last annotation update)
 46 20 AUG 2001 (Ref. 40, Last annotation update)
 47 20 AUG 2001 (Ref. 40, Last annotation update)
 48 20 AUG 2001 (Ref. 40, Last annotation update)
 49 20 AUG 2001 (Ref. 40, Last annotation update)
 50 20 AUG 2001 (Ref. 40, Last annotation update)
 51 20 AUG 2001 (Ref. 40, Last annotation update)
 52 20 AUG 2001 (Ref. 40, Last annotation update)
 53 20 AUG 2001 (Ref. 40, Last annotation update)
 54 20 AUG 2001 (Ref. 40, Last annotation update)
 55 20 AUG 2001 (Ref. 40, Last annotation update)
 56 20 AUG 2001 (Ref. 40, Last annotation update)
 57 20 AUG 2001 (Ref. 40, Last annotation update)
 58 20 AUG 2001 (Ref. 40, Last annotation update)
 59 20 AUG 2001 (Ref. 40, Last annotation update)
 60 20 AUG 2001 (Ref. 40, Last annotation update)
 61 20 AUG 2001 (Ref. 40, Last annotation update)
 62 20 AUG 2001 (Ref. 40, Last annotation update)
 63 20 AUG 2001 (Ref. 40, Last annotation update)
 64 20 AUG 2001 (Ref. 40, Last annotation update)
 65 20 AUG 2001 (Ref. 40, Last annotation update)
 66 20 AUG 2001 (Ref. 40, Last annotation update)
 67 20 AUG 2001 (Ref. 40, Last annotation update)
 68 20 AUG 2001 (Ref. 40, Last annotation update)
 69 20 AUG 2001 (Ref. 40, Last annotation update)
 70 20 AUG 2001 (Ref. 40, Last annotation update)
 71 20 AUG 2001 (Ref. 40, Last annotation update)
 72 20 AUG 2001 (Ref. 40, Last annotation update)
 73 20 AUG 2001 (Ref. 40, Last annotation update)
 74 20 AUG 2001 (Ref. 40, Last annotation update)
 75 20 AUG 2001 (Ref. 40, Last annotation update)
 76 20 AUG 2001 (Ref. 40, Last annotation update)
 77 20 AUG 2001 (Ref. 40, Last annotation update)
 78 20 AUG 2001 (Ref. 40, Last annotation update)
 79 20 AUG 2001 (Ref. 40, Last annotation update)
 80 20 AUG 2001 (Ref. 40, Last annotation update)
 81 20 AUG 2001 (Ref. 40, Last annotation update)
 82 20 AUG 2001 (Ref. 40, Last annotation update)
 83 20 AUG 2001 (Ref. 40, Last annotation update)
 84 20 AUG 2001 (Ref. 40, Last annotation update)
 85 20 AUG 2001 (Ref. 40, Last annotation update)
 86 20 AUG 2001 (Ref. 40, Last annotation update)
 87 20 AUG 2001 (Ref. 40, Last annotation update)
 88 20 AUG 2001 (Ref. 40, Last annotation update)
 89 20 AUG 2001 (Ref. 40, Last annotation update)
 90 20 AUG 2001 (Ref. 40, Last annotation update)
 91 20 AUG 2001 (Ref. 40, Last annotation update)
 92 20 AUG 2001 (Ref. 40, Last annotation update)
 93 20 AUG 2001 (Ref. 40, Last annotation update)
 94 20 AUG 2001 (Ref. 40, Last annotation update)
 95 20 AUG 2001 (Ref. 40, Last annotation update)
 96 20 AUG 2001 (Ref. 40, Last annotation update)
 97 20 AUG 2001 (Ref. 40, Last annotation update)
 98 20 AUG 2001 (Ref. 40, Last annotation update)
 99 20 AUG 2001 (Ref. 40, Last annotation update)
 100 20 AUG 2001 (Ref. 40, Last annotation update)




```

1  APPLICANT:  DR. JING SHAN
2  APPLICANT:  POCAN, WALTER A.
3  APPLICANT:  ZHU, JIANG
4  TITLE OF INVENTION:  VASCULAR ENDOTHELIAL GROW FACTOR
5  NUMBER OF SEQUENCES:  45
6  OPERATIONAL NAME:  ADRS-1
7  ADDRESS:  EBERLE, KESSLER, GOLDSTEIN & FOX
8  SUBJECT:  1100 NEW YORK AVENUE
9  CITY:  WASHINGTON
10 STATE:  DC
11 COUNTRY:  USA
12 ZIP:  20004
13 COMPUTER RELEVANT FORM:
14 MEDIUM TYPE:  floppy disk
15 OPERATING SYSTEM:  pc dos/MS DOS
16 SOFTWARE:  patent to be issued #1.0, Version #1.00
17 CURRENT APPLICATION DATA:
18 FILING DATE:  05/09/2001
19 CLASSIFICATION:
20 PRIOR APPLICATION DATA:
21 APPLICATION NUMBER:  US 09/405,000
22 FILING DATE:  08/08/1998
23 CLASSIFICATION:
24 PRIOR APPLICATION DATA:
25 APPLICATION NUMBER:  10/06 ADRS-100
26 FILING DATE:  04 MAR 1994
27 CLASSIFICATION:
28 PRIOR APPLICATION DATA:
29 APPLICATION NUMBER:  US 09/405,000
30 FILING DATE:  08/08/1998
31 CLASSIFICATION:
32 PRIOR APPLICATION DATA:
33 APPLICATION NUMBER:  10/06 ADRS-100
34 FILING DATE:  04 MAR 1994
35 CLASSIFICATION:
36 ALTERNATIVE/ASMT INFORMATION:
37 NAME:  EBERLE, KESSLER
38 REFERENCE NUMBER:  40,000
39 REFERENCE/SEQUENCE NUMBER:  1,000, 1,000,000,000
40 REFERENCE/SEQUENCE INFORMATION:
41 TELEPHONE:  (202) 571-2540
42 TELEFAX:  (202) 571-2540
43 INFORMATION TO BE ISSUED TO:  45
44 SEQUENCE CHARACTERISTICS:
45 LENGTH:  450 amino acids
46 TYPE:  amino acid
47 ISOLATION:  100%
48 RELEVANT TYPE:  protein
49 SEQ ID NO:  1
50
51 Query Match  98.98% Score 862 106 45 Length 450
52 Best Local Similarity 100.00% Prod. No. 1.00e 07
53 Methods 1/2 Conserved 02 Mismatch 02 Indels 02 Gaps 02
54
55 2 EPIGRAMMETER 10
56 45 EPIGRAMMETER 41
57
58 RESULT  9
59 US 09/405,000  45
60 Sequence 45 Affiliation US/09/09/05
61 Patent No. 6,215,500
62
63 CORRELATION INFORMATION:
64 APPLICANT:  ADRS-1, Karl
65 APPLICANT:  EBERLE, WALTER
66 TITLE OF INVENTION:  Receptor Ligand
67 NUMBER OF SEQUENCES:  45
68 ADDRESS:  MARSHALL, OF POCAN, GOLDSTEIN, MURRAY & FOX
69 SUBJECT:  6000 South Tower, 244 South Wacker Drive
70 CITY:  Chicago
71 STATE:  Illinois
72 COUNTRY:  United States of America
73 ZIP:  60606-6402
74 COMPUTER RELEVANT FORM:
75 MEDIUM TYPE:  floppy disk
76 OPERATING SYSTEM:  pc dos/MS DOS
77 SOFTWARE:  patent to be issued #1.0, Version #1.25
78 CURRENT APPLICATION DATA:
79 FILING DATE:  05/09/2001
80 CLASSIFICATION:  44
81 ALTERNATIVE/ASMT INFORMATION:
82 NAME:  GASS, DAVID A.
83 REFERENCE NUMBER:  38,153
84 REFERENCE/SEQUENCE NUMBER:  2011 574,000
85 TELEPHONE:  412/474-6440
86 TELEFAX:  412/474-6440
87 INFORMATION TO BE ISSUED TO:  45
88 SEQUENCE CHARACTERISTICS:
89 LENGTH:  450 amino acids

```

```

1  APPLICANT:  DR. JING SHAN
2  APPLICANT:  POCAN, WALTER A.
3  APPLICANT:  ZHU, JIANG
4  TITLE OF INVENTION:  VASCULAR ENDOTHELIAL GROW FACTOR
5  NUMBER OF SEQUENCES:  45
6  OPERATIONAL NAME:  ADRS-1
7  ADDRESS:  EBERLE, KESSLER, GOLDSTEIN & FOX
8  SUBJECT:  1100 NEW YORK AVENUE
9  CITY:  WASHINGTON
10 STATE:  DC
11 COUNTRY:  USA
12 ZIP:  20004
13 COMPUTER RELEVANT FORM:
14 MEDIUM TYPE:  floppy disk
15 OPERATING SYSTEM:  pc dos/MS DOS
16 SOFTWARE:  patent to be issued #1.0, Version #1.00
17 CURRENT APPLICATION DATA:
18 FILING DATE:  05/09/2001
19 CLASSIFICATION:
20 PRIOR APPLICATION DATA:
21 APPLICATION NUMBER:  US 09/405,000
22 FILING DATE:  08/08/1998
23 CLASSIFICATION:
24 PRIOR APPLICATION DATA:
25 APPLICATION NUMBER:  10/06 ADRS-100
26 FILING DATE:  04 MAR 1994
27 CLASSIFICATION:
28 PRIOR APPLICATION DATA:
29 APPLICATION NUMBER:  US 09/405,000
30 FILING DATE:  08/08/1998
31 CLASSIFICATION:
32 PRIOR APPLICATION DATA:
33 APPLICATION NUMBER:  10/06 ADRS-100
34 FILING DATE:  04 MAR 1994
35 CLASSIFICATION:
36 ALTERNATIVE/ASMT INFORMATION:
37 NAME:  EBERLE, KESSLER
38 REFERENCE NUMBER:  40,000
39 REFERENCE/SEQUENCE NUMBER:  1,000, 1,000,000,000
40 REFERENCE/SEQUENCE INFORMATION:
41 TELEPHONE:  (202) 571-2540
42 TELEFAX:  (202) 571-2540
43 INFORMATION TO BE ISSUED TO:  45
44 SEQUENCE CHARACTERISTICS:
45 LENGTH:  450 amino acids
46 TYPE:  amino acid
47 ISOLATION:  100%
48 RELEVANT TYPE:  protein
49 SEQ ID NO:  1
50
51 Query Match  98.98% Score 862 106 45 Length 450
52 Best Local Similarity 100.00% Prod. No. 1.00e 07
53 Methods 1/2 Conserved 02 Mismatch 02 Indels 02 Gaps 02
54
55 2 EPIGRAMMETER 10
56 45 EPIGRAMMETER 41
57
58 RESULT  9
59 US 09/405,000  45
60 Sequence 45 Affiliation US/09/09/05
61 Patent No. 6,215,500
62
63 CORRELATION INFORMATION:
64 APPLICANT:  ADRS-1, Karl
65 APPLICANT:  EBERLE, WALTER
66 TITLE OF INVENTION:  Receptor Ligand
67 NUMBER OF SEQUENCES:  45
68 ADDRESS:  MARSHALL, OF POCAN, GOLDSTEIN, MURRAY & FOX
69 SUBJECT:  6000 South Tower, 244 South Wacker Drive
70 CITY:  Chicago
71 STATE:  Illinois
72 COUNTRY:  United States of America
73 ZIP:  60606-6402
74 COMPUTER RELEVANT FORM:
75 MEDIUM TYPE:  floppy disk
76 OPERATING SYSTEM:  pc dos/MS DOS
77 SOFTWARE:  patent to be issued #1.0, Version #1.25
78 CURRENT APPLICATION DATA:
79 FILING DATE:  05/09/2001
80 CLASSIFICATION:  44
81 ALTERNATIVE/ASMT INFORMATION:
82 NAME:  GASS, DAVID A.
83 REFERENCE NUMBER:  38,153
84 REFERENCE/SEQUENCE NUMBER:  2011 574,000
85 TELEPHONE:  412/474-6440
86 TELEFAX:  412/474-6440
87 INFORMATION TO BE ISSUED TO:  45
88 SEQUENCE CHARACTERISTICS:
89 LENGTH:  450 amino acids

```


1 100% match
2 100% match
3 100% match
4 100% match
5 100% match

6 100% match
7 100% match
8 100% match
9 100% match
10 100% match

11 100% match
12 100% match
13 100% match
14 100% match
15 100% match

16 100% match
17 100% match
18 100% match
19 100% match
20 100% match

21 100% match
22 100% match
23 100% match
24 100% match
25 100% match

26 100% match
27 100% match
28 100% match
29 100% match
30 100% match

31 100% match
32 100% match
33 100% match
34 100% match
35 100% match

36 100% match
37 100% match
38 100% match
39 100% match
40 100% match

41 100% match
42 100% match
43 100% match
44 100% match
45 100% match

46 100% match
47 100% match
48 100% match
49 100% match
50 100% match

51 100% match
52 100% match
53 100% match
54 100% match
55 100% match

56 100% match
57 100% match
58 100% match
59 100% match
60 100% match

61 100% match
62 100% match
63 100% match
64 100% match
65 100% match

66 100% match
67 100% match
68 100% match
69 100% match
70 100% match

71 100% match
72 100% match
73 100% match
74 100% match
75 100% match

76 100% match
77 100% match
78 100% match
79 100% match
80 100% match

81 100% match
82 100% match
83 100% match
84 100% match
85 100% match

86 100% match
87 100% match
88 100% match
89 100% match
90 100% match

91 100% match
92 100% match
93 100% match
94 100% match
95 100% match

96 100% match
97 100% match
98 100% match
99 100% match
100 100% match

101 100% match
102 100% match
103 100% match
104 100% match
105 100% match

106 100% match
107 100% match
108 100% match
109 100% match
110 100% match

111 100% match
112 100% match
113 100% match
114 100% match
115 100% match

116 100% match
117 100% match
118 100% match
119 100% match
120 100% match

121 100% match
122 100% match
123 100% match
124 100% match
125 100% match

126 100% match
127 100% match
128 100% match
129 100% match
130 100% match

131 100% match
132 100% match
133 100% match
134 100% match
135 100% match

136 100% match
137 100% match
138 100% match
139 100% match
140 100% match

141 100% match
142 100% match
143 100% match
144 100% match
145 100% match

146 100% match
147 100% match
148 100% match
149 100% match
150 100% match

151 100% match
152 100% match
153 100% match
154 100% match
155 100% match

```

ADDRESS: STEVEN KETTER, COLUMBIA & POK
STREET: 1100 NEW YORK AVENUE
CITY: WASHINGTON
STATE: DC
COUNTRY: USA
ZIP: 20004
CURRENT REVALENT FORM:
MEDIUM TYPE: floppy disk
SOFTWARE: IBM PC compat disk
OPERATING SYSTEM: PC/MS/DOS
SOFTWARE: Patented in Refugue #1.0, Version #1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 05/20/2004.105
FILING DATE: REFUGEE
CLASSIFICATION:
PROG APPLICATION DATA:
APPLICATION NUMBER: 05/20/2004.100
FILING DATE: 8 MAR 1994
CLASSIFICATION:
FILE DATE: 211111Z
APPLICATION NUMBER: 05/20/2004.008
FILING DATE: 05 JUN 1995
CLASSIFICATION:
PROG APPLICATION DATA:
APPLICATION NUMBER: 10/00/2004.000
FILING DATE: 24 JUN 1997
CLASSIFICATION:
ALTERNATIVE INFORMATION:
NAME: ERIC K. STEELE
REGISTRATION NUMBER: 05/000
REGISTRATION INFORMATION:
TELEPHONE: (202) 271-2630
TELEFAX: (202) 271-2640
INFORMATION FOR REFUGEE: 105
SEQUENCE CHARACTERISTICS:
LENGTH: 419 amino acids
TYPE: amino acid
SEQUENCE: 1000
MEDIUM TYPE: floppy
US OR 705.400 R

COUNT MATCH: 98/90% SCORE 80% LAB 4: Length 419%
Post Local Similarity: 100/0% Prod. No. 1/90/0%
Matches: 17% Conservation: 0% Mismatch: 0% Indels: 0% Gaps: 0%

SY 2 EELIKFAAMNIEELK 10
IDB 104 EELIKFAAMNIEELK 120

RESULT 14
US OR 705.400 R
SEQUENCE: 05/20/2004.105
Post Local Similarity: 100/0% Prod. No. 1/90/0%
Matches: 17% Conservation: 0% Mismatch: 0% Indels: 0% Gaps: 0%

GENERAL INFORMATION:
APPLICATION: Atrialio, Karl
ADDRESS: Bookov, Vladimir
TITLE OF INVENTION: Atrialio, Vladimir
TITLE OF INVENTION: Atrialio, Vladimir
NUMBER OF SEQUENCES: 5/7
ADDRESS: Marshall, of Food, Nutrition, Mortal & Post
STREET: 600 South Tower, 234 South Market Street
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-4002
CURRENT REVALENT FORM:
MEDIUM TYPE: floppy disk
SOFTWARE: Patented in Refugue #1.0, Version #1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 05/20/2004.105

```

```

SOFTWARE: Patented in Refugue #1.0, Version #1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 05/20/2004.105
FILING DATE:
CLASSIFICATION: 40
PROG APPLICATION DATA:
APPLICATION NUMBER: 05/20/2004.107
FILING DATE: 01 AUG 1996
FILE APPLICATION DATA:
APPLICATION NUMBER: 05/20/2004.103
FILING DATE: 12 JAN 1996
PROG APPLICATION DATA:
APPLICATION NUMBER: 05/20/2004.105
FILING DATE: 01 AUG 1995
PROG APPLICATION DATA:
APPLICATION NUMBER: 05/20/2004.101
FILING DATE: 14 MAR 1994
ALTERNATIVE INFORMATION:
NAME: ERIC K. STEELE
REGISTRATION NUMBER: 05/000
REGISTRATION INFORMATION:
TELEPHONE: (202) 271-2630
TELEFAX: (202) 271-2640
INFORMATION FOR REFUGEE: 105
SEQUENCE CHARACTERISTICS:
LENGTH: 419 amino acids
TYPE: amino acid
SEQUENCE: 1000
MEDIUM TYPE: floppy
US OR 705.400 R

COUNT MATCH: 98/90% SCORE 80% LAB 4: Length 419%
Post Local Similarity: 100/0% Prod. No. 1/90/0%
Matches: 17% Conservation: 0% Mismatch: 0% Indels: 0% Gaps: 0%

SY 2 EELIKFAAMNIEELK 10
IDB 104 EELIKFAAMNIEELK 120

RESULT 14
US OR 705.400 R
SEQUENCE: 05/20/2004.105
Post Local Similarity: 100/0% Prod. No. 1/90/0%
Matches: 17% Conservation: 0% Mismatch: 0% Indels: 0% Gaps: 0%

GENERAL INFORMATION:
APPLICATION: Atrialio, Karl
ADDRESS: Bookov, Vladimir
TITLE OF INVENTION: Atrialio, Vladimir
TITLE OF INVENTION: Atrialio, Vladimir
NUMBER OF SEQUENCES: 5/7
ADDRESS: Marshall, of Food, Nutrition, Mortal & Post
STREET: 600 South Tower, 234 South Market Street
CITY: Chicago
STATE: Illinois
COUNTRY: United States of America
ZIP: 60606-4002
CURRENT REVALENT FORM:
MEDIUM TYPE: floppy disk
SOFTWARE: Patented in Refugue #1.0, Version #1.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 05/20/2004.105

```

FILINT DATE: 01 Aug 1995
 CLASSIFICATION: UNKNOWN
 AGENCY/AGENCY INFORMATION:
 NAME: JESSIE, JESSIE A.
 REGISTRATION NUMBER: 00158
 REFERENCE NUMBER: 2011742000
 TELEPHONE: 412/474-6000
 TELEFAX: 412/474-6000
 INDEX: 201400
 INFORMATION FOR SEQ ID NO: 45:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 419 amino acids
 TYPE: amino acid
 SOURCE: Human
 MULTIPLE TYPED PROTEIN
 SEQUENCE DESCRIPTION: SEQ ID NO: 45:
 MS 09 510 13AA:45

Query Match 98.98% Score 802 108 41 Length 419
 Fast Local Similarity Tool: No. 1.0.0.0
 Matches: 172 Conserved: 02 Mismatches: 02 Indels: 0

* 1 - LEFTKAAAHYNIILK 18
 IIILIIIIIIII
 ID 104 LEFTKAAAHYNIILK 120

RESID 15
 MS 09 510 13AA:45
 Seq: 0000 22 Application: 10/1089609001
 GENERAL INFORMATION:
 APPLICANT: H01 H1 AL
 TITLE OF INVENTION: Human Vascular Endothelial Growth Factor 2
 NUMBER OF SEQUENCES: 10
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: CAPILLA BYENT, HAIN, GILLILIAN,
 ADDRESSEE: CORNELL UNIVERSITY
 STREET: 6 HOOKER FARM ROAD
 CITY: ITHACA
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 14850
 RECIPIER REMARKS FROM:
 METHOD TYPE: 4.5 INCH DISKETTE
 MEDIUM: 100 IS/2
 SEQUENCING SYSTEM: MS 100S
 SOFTWARE: WINDYBERRY 9.1
 REFERENCE APPENDIX N DATA:
 APPENDIX N NUMBER: 101/2000/00001
 FILINT DATE:
 CLASSIFICATION:
 INFORMATION DATA:
 APPLICATION NUMBER: 00/165,000
 FILINT DATE: 01 JUN 95
 APPLICATION NUMBER: 00/207,500
 FILING DATE: 08 MAR 1994
 AUTHORITY/AGENT INFORMATION:
 NAME: FERRAR, GREGORY D.
 REGISTRATION NUMBER: 00154
 REFERENCE NUMBER: 22000 200
 TELEPHONE: 201 994 1700
 TELEFAX: 201 994 1744
 INFORMATION FOR SEQ ID NO: 45:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 419 AMINO ACIDS
 TYPE: AMINO ACID
 STRANDNESS:
 TOPOLOGY: LINEAR
 Molecule Type: PROTEIN
 MS 09 510 09001:2

Query Match 98.98% Score 802 108 41 Length 419
 Fast Local Similarity Tool: No. 1.0.0.0
 Matches: 172 Conserved: 02 Mismatches: 02 Indels: 0

* 1 - LEFTKAAAHYNIILK 18
 IIILIIIIIIII
 ID 104 LEFTKAAAHYNIILK 120

Search completed: February 22, 2002, 17:57:09
 Job Time: 152 Sec







Fri Feb 22 17:53:36 2002

us-09-534-376a-13.rspt

Page 8

Index.html: 192.0000

[illegible][illegible]

100